

ABSTRACT OF THE DISCLOSURE

A double sensing face motor structure includes a base board defining an axial hole, and a plurality of coils mounted around a periphery of the axial hole in an equally spaced annular manner. A sensor member and a start member are mounted on the base board. Two rotors are respectively located on an upper side and a lower side of the base board to integrally combine with each other. Each of the two rotors is provided with a permanent magnet respectively mating with the coils of the base board. One of the two rotors is provided with a central shaft that is rotatably mounted in the axial hole of the base board in a positioning manner.